

Periodic Motion.

A motion, which repeats itself over and over again after a regular interval of time is called a periodic motion and the fixed interval of time after which the motion is repeated is called the period of the motion.

Examples:

- (i) Revolution of earth around the sun (period one year)
- (ii) Rotation of earth about its polar axis (period one day)
- (iii) Motion of hour's hand of a clock (period 12-hour)
- (iv) Motion of minute's hand of a clock (period 1-hour)
- (v) Motion of second's hand of a clock (period 1-minute)
- (vi) Motion of moon around the earth (period 27.3 days)